

NOVEMBER 2001

CITY OF ROCKLIN

ENGINEER

DEFINITION

Under general supervision, to participate in fire suppression and fire prevention activities; to respond to emergency situations and provide medical assistance; to be responsible for the operation, readiness, condition and maintenance of a variety of fire apparatus, firefighting and rescue equipment; and to perform related work as required.

SUPERVISION RECEIVED AND EXERCISED

Receives direct supervision from a Fire Captain or superior officer.

EXAMPLES OF ESSENTIAL FUNCTIONS - *Essential functions may include, but are not limited to, the following:*

- Respond to emergency fire, rescue, medical aid and public service calls; operate a variety of fire fighting equipment and fire apparatus and perform essential fire suppression and rescue functions
- Drive and operate apparatus in a safe manner at all times
- Respond to incident and select the most direct routes to the scene
- Lay hose lines and operate engine pumping equipment as required; operate nozzle and direct stream of water on fire
- Clean, inspect, and maintain apparatus and equipment; make minor adjustments and repairs
- Assist in returning all apparatus and equipment to in-service condition following any alarm or detail
- Instruct fire personnel in the operation and maintenance of fire equipment
- Participate in the cleaning and maintenance of station quarters, equipment, and apparatus
- Learn and observe department rules and regulations
- Follow all orders and directions immediately
- Follow any pre-planned methods of operation as they apply to the type, location and conditions of an emergency
- Participate in fire drills, fire training sessions, and exercises
- Assist in fire prevention activities as assigned
- Perform related duties and responsibilities as required

QUALIFICATIONS

Knowledge of:

- Principles, practices, and procedures of modern fire suppression, firefighting vehicles, equipment and apparatus and prevention
- Operation and maintenance of various apparatus and equipment used in modern firefighting activities
- Modern principles of mechanics, hydraulics, and mathematics as related to Driver Operator duties
- Area topography, physical conditions, street names, numbers, water mains and hydrant locations and target areas of the City
- Medical aid, rescue, and resuscitation equipment practices
- Principles and practices of hazardous materials response
- Principles and practices of basic report writing
- Proper English usage, grammar, spelling, and punctuation

Skill in:

- Operating, maintaining, and repairing fire equipment and apparatus
- Driving, operating, maintaining, and repairing fire equipment and apparatus or safety vehicles
- Performing field calculations of hydraulics for the proper and effectively operating equipment at emergency scenes
- Making sound decisions, using good judgement, and thinking clearly and effectively in emergency situations
- Responding to alarms and promptly obeying all orders given by Fire Captain or superior officer
- Learning pertinent federal, state, and local laws, ordinances, regulations, and guidelines relevant to assigned duties
- Understanding and following City and Fire Department rules and regulations
- Preparing clear and concise reports and other written documents
- Participating in fire prevention and public education activities in the community
- Communicating clearly and tactfully, both orally and in writing
- Establishing and maintaining effective working relationships with those contacted in the course of work

Physical and Mental Requirements

- Mobility to work in emergency and non-emergency settings
- Lift or carry weight of 110 pounds
- Climb ladders and work from elevated positions
- Walk, stand or sit for long periods of time, including driving
- Operate a motor vehicle and fire apparatus
- Strength and stamina to perform fire service duties
- Vision to read handwritten and printed materials and a computer screen; visual acuity to identify potentially hazardous conditions
- Hearing and speech to communicate in person or over communications equipment

- Know and understand all aspects of the job and observe safety rules; analyze problem equipment; identify safety hazards; locate equipment; interpret work orders; remember how to operate equipment.

A typical way of gaining the knowledge and skills outlined above is:

- Equivalent to the completion of the 12th grade, successful completion of Fire Command 1A and 1B, Driver Operator 1A and 1B, and Instructor 1A; and two (2) years of continuous full-time career suppression experience with the Rocklin Fire Department

LICENSES AND CERTIFICATES

- State of California Class A operator's license.
- First Aid and Cardiopulmonary Resuscitation cards.
- State of California Certified Firefighter II Certificate.

FLSA: NE

This job specification should not be construed to imply that these requirements are the exclusive standards of the position. Not all duties are necessarily performed by each incumbent. Additionally, incumbents may be required to follow any other instructions and to perform any other related duties as may be required by their supervisor.